



US009411209B2

(12) **United States Patent**  
**Reynolds et al.**

(10) **Patent No.:** **US 9,411,209 B2**  
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **INFRARED-MODULATING  
ELECTROACTIVE DEVICES WITH VISIBLE  
REGION TRANSPARENCY**

427/66; 458; 528/8; 977/742; 256/586;  
522/167; 524/606

See application file for complete search history.

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(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 96 days.

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(21) Appl. No.: **14/127,702**

(22) PCT Filed: **Jun. 28, 2012**

(86) PCT No.: **PCT/US2012/044560**

§ 371 (c)(1),

(2), (4) Date: **Dec. 19, 2013**

(87) PCT Pub. No.: **WO2013/003542**

PCT Pub. Date: **Jan. 3, 2013**

(65) **Prior Publication Data**

US 2015/0138621 A1 May 21, 2015

**Related U.S. Application Data**

(60) Provisional application No. 61/502,999, filed on Jun.  
30, 2011.

(51) **Int. Cl.**

**G02B 5/23** (2006.01)

**G02F 1/15** (2006.01)

**G02F 1/00** (2006.01)

**G02F 1/153** (2006.01)

(52) **U.S. Cl.**

CPC ..... **G02F 1/15** (2013.01); **G02F 1/0018**  
(2013.01); **G02F 2001/1502** (2013.01); **G02F**  
**2001/1515** (2013.01); **G02F 2203/11** (2013.01)

(58) **Field of Classification Search**

USPC ..... 250/201.1, 216, 338.1; 359/275, 273;

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(57)

**ABSTRACT**

An electrochromic cell includes a minimally color changing polymer (MCCP) and a non-color changing polymer (NCCP), where the neutral state or the oxidized state is highly transmissive in the NIR and the oxidized state or the neutral state, respectively, is significantly less transmissive in the NIR. An electrochromic device (ECD) can include the electrochromic cell, or a combination of electrochromic cells. The ECD can be part of a window or a laminate for a window to permit the control of IR transmittance through the window.

**6 Claims, 4 Drawing Sheets**

